



# Roman Badretdinov

High School Graduate | Future CS Major

## Welcome

Welcome to my portfolio! You can contact me through  
raynor.roma@gmail.com . You can view the full portfolio online at  
<https://rbadretdinov.github.io/>.



## Roman Badretdinov

High School Graduate | Future CS Major

I'm a recent high school graduate who finished high school early in December 2025, eager to pursue Computer Science or other related field at the university level. My journey into technology began with curiosity and has evolved into a genuine passion for solving problems through code. I thrive on challenges, whether it's mastering a new programming language, taking an online course, or pushing my limits in Taekwondo.



## Education Journey

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### **James M. Steele Early College High School**

Until May 2025

Participated in an early college program, balancing high school requirements with college-level courses and extracurricular activities. During my time there, I participated in many of the student-led clubs such as Green Cord Club and DECA.

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### **Dual Credit Program**

Tarrant County College (via James M. Steele ECHS) | Until May 2025

Earned college credits while in high school, getting a head start on my university education and challenging myself with rigorous coursework. Classes such as DC Kinesiology, Psychology, Theatre Appreciation, and Texas Government gave me a glance into the rigorous workload of college.

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### **University of Texas at Austin High School**

Graduated December 2025

Completed my high school diploma through UTHS, demonstrating self-motivation and dedication to academic excellence. Through this online program, I was able to graduate 1.5 years early.



## Interests & Hobbies

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### Coding & Video Games

After years of playing video games, I became curious about how they worked behind the scenes. This curiosity grew into a genuine interest in coding and programming. Gaming has given me an appreciation for game design, algorithms, and interactive systems, which now fuels my learning journey in software development. I'm building my programming skills through hands-on projects and continuously learning, motivated by the desire to understand and eventually create the types of interactive experiences I've always enjoyed as a player.



### Taekwondo

Practicing since December 2023, Taekwondo has taught me discipline, focus, and perseverance. The mental and physical challenges have shaped my approach to tackling difficult problems.



### Volleyball

Volleyball was the most popular sport in my high school, so naturally, I gravitated towards it. I played Junior Varsity volleyball in 2025, making many valuable connections. Team sports have taught me the value of collaboration, communication, and supporting others toward a common goal.



# Goals & Aspirations

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## University & Academic

Pursue a Computer Science degree, focusing on software development, algorithms, and data structures. I'm particularly interested in exploring artificial intelligence and machine learning, understanding how these technologies can solve complex problems. I aim to maintain academic excellence while exploring research opportunities and participating in hackathons.

## Career & Professional

Build a career as a software developer, creating innovative solutions that make a positive impact. I'm particularly interested in developing applications that solve real-world problems and improve people's daily lives, with a growing curiosity about how AI can be applied to create smarter, more efficient solutions.

## Personal Growth

I want to become a well-rounded individual who never stops learning. This means contributing to projects using new technology, collaborating with others in the community, and continuously expanding my skill set. Beyond technical growth, I aim to develop my communication, leadership, and problem-solving abilities while staying curious about emerging tools and their potential applications.



## What Drives Me

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### Continuous Learning

I'm driven by curiosity and the desire to constantly improve. Whether it's earning 15+ Microsoft certifications, learning new programming languages, or pushing my limits in Taekwondo, I believe growth comes from stepping outside my comfort zone.

### Problem Solving

I love the challenge of breaking down complex problems into manageable pieces. Competing in math competitions, particularly earning 4th place in UIL District 7 Math Number Sense, has sharpened my analytical thinking and ability to solve problems efficiently under pressure. This mindset extends beyond coding and mathematics to academic challenges and everyday life, where I consistently seek elegant solutions.

### Making an Impact

From volunteering with the Green Cord Club to creating automation tools, I'm motivated by the ability to contribute meaningfully to my community and help others through technology.

# Programming Languages

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Python

HTML

CSS

Self-taught Python developer with experience building automation scripts and web projects. Currently learning HTML/CSS to better understand and refine AI-generated web code.

# Development Tools & Technologies

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AI-Assisted Development

Cursor AI

CodeSkulptor

Git

Version Control

Web Development

Code Review & Debugging

Proficient in using AI tools like Cursor AI for code generation and project management. Experienced with CodeSkulptor, a web-based Python IDE from Rice University for coding directly in the browser. Skilled in leveraging modern tools to learn new technologies and accelerate development workflows.

Professional certifications demonstrating proficiency in Microsoft Office applications and workplace skills.

# Microsoft 365

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## Word Expert 365

Expert-level document creation, templates, and collaboration



## Excel Expert 365

Complex data analysis, PivotTables, and automation



## PowerPoint 365

Professional presentations and multimedia integration



## Microsoft 365 Expert

Comprehensive mastery of core productivity applications



# Microsoft Office 2019

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## Access Expert 2019

Database design, SQL queries, and data management



## Outlook 2019

Email management, calendar, and task organization



## Microsoft 2019 Expert

Expert-level proficiency across Office 2019 applications

# Professional Development

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## Professional Communication

Workplace communication, networking, and professional etiquette



## Communication Skills

Effective interpersonal communication and active listening

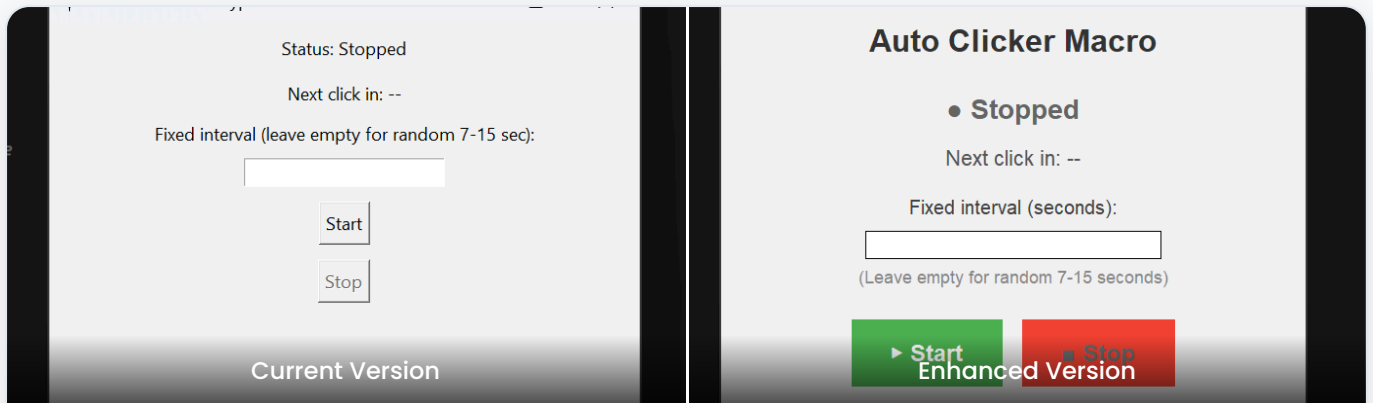


## OSHA 10

Workplace safety standards and hazard identification

## Projects

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## Custom Macro – Auto Clicker

### Problem:

- Users needed to maintain presence in applications/games during idle periods

### Solution:

- Python GUI application with intuitive Start/Stop controls
- Automatic left mouse clicks at configurable random intervals (7–15 seconds default)
- Customizable click intervals to suit different use cases

Python

GUI

Automation



## PNGs to PDF Converter

### Problem:

- Needed to submit multiple images as a single PDF for high school assignments
- Existing PDF converters required payment or had limitations

### Solution:

- Python CLI tool that converts multiple images (PNG, JPG, JPEG) into a single multi-page PDF
- Can also merge multiple existing PDF files into one
- Free, open-source solution for personal use

Python

Pillow (PIL)

PyPDF2

CLI

??

## Quiz Creator

WORK IN PROGRESS

### Problem:

- Needed an effective way to study for exams and test knowledge
- Existing quiz tools lacked customization or required payment
- Wanted to learn modern web development practices

### Solution:

- Web application for creating, customizing, and sharing interactive quizzes
- Intuitive interface for building multiple choice questions
- Automatic scoring and quiz sharing capabilities
- Learning modern development practices through AI-assisted development

Web Development

JavaScript

# Roman Badretdinov

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## Summary

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Ambitious and self-reliant student experienced with rigorous coursework through a dual credit program and interested in majoring in Computer Science or other related field. Certified in various Microsoft Office programs as well as life and career skills. Eager to learn new things, committed to surround myself with like-minded individuals, and always open to improving myself through time and dedication.

## Technical Skills

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- ▶ Python – Programming language for automation, scripting, and data processing
- ▶ HTML – Web page structure and markup
- ▶ Git – Version control system for tracking code changes and collaboration
- ▶ AI Management – Using AI tools like Cursor AI for code generation and project management

## Education

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### Tarrant County College – Northwest Campus

Fort Worth, TX

Dual Enrollment | Attended until May 2025

### James M. Steele Early College High School

Roanoke, TX

Attended until May 2025

## Volunteer Work/Projects & Awards

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- ▶ **Steele ECHS Green Cord Club – Christmas Tree Project**

[December 2023]

Made miniature Christmas trees out of various materials to give to children in need.

- ▶ **Steele ECHS Green Cord Club – Appreciation Cards**

[April 2024]

Wrote positive, colorful thank you cards to commend people for their hard work and distributed them to service workers around my city.

- ▶ **Steele ECHS Supercharge Event – Group Leader**

[October 2024]

Led a group of students to designated stations during the supercharge event that celebrated the last day of the 1st quarter.

- ▶ **Trophy Club Women's Club – Scholarship Fundraiser**

[October 2023 & October 2024]

Put signs in many streets to raise awareness of a garage sale that went towards scholarships for seniors.

- ▶ **National Honors Society – Individual Service Project**

[April 2025]

Mailed over 180 colorful drawings to an organization that sends them to senior citizens and troops overseas; also made a project to record the process

- ▶ **Math UIL – UIL District 7 Competition**

[March 2025]

Earned a medal for achieving the 4th highest individual score in the district at the Math UIL Number Sense competition

## Extracurriculars

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- ▶ Distributive Education Clubs of America (DECA) [September 2023 – May 2025]
- ▶ Green Cord Club [November 2023 – May 2025]
- ▶ National Honors Society [September 2024 – May 2025]
- ▶ Student Council – DASH Committee [September 2024 – May 2025]
- ▶ Math University Interscholastic League (UIL) [December 2024 – May 2025]
- ▶ Steele ECHS Junior Varsity Volleyball [February 2025 – May 2025]
- ▶ Taekwondo [December 2023 – Present]

## Certifications

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- ▶ OSHA-10 Hour General Industry Certification [Certified September 2023]
- ▶ Critical Career Skills – Professional Communication Certification [Certified September 2024]
- ▶ Excel Expert 365 & 2019 Certifications [Certified December 2023 & March 2025]
- ▶ Certified in 15 Different Certifications in Microsoft & Work Skills

## References

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References available upon request.